

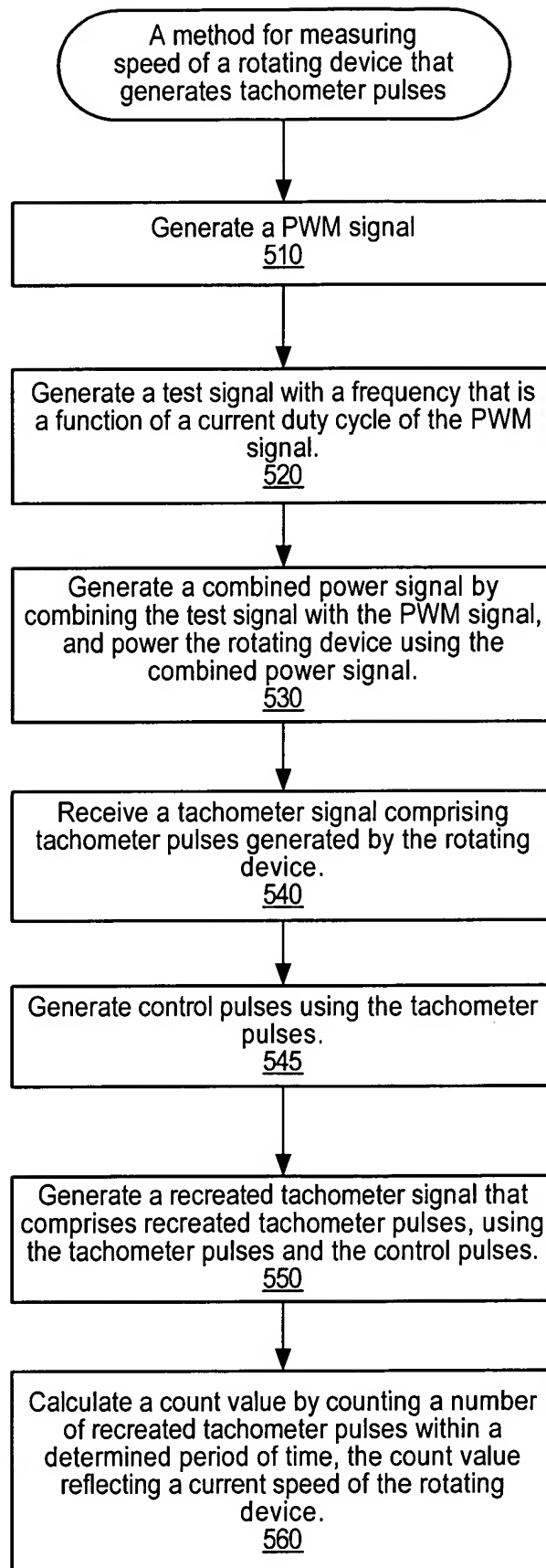
Fig. 1



300

| PWM Duty Cycle<br>% (8-bit value) | Fan Rotational<br>Speed /Sec<br>(RPS) | Tachometer<br>Pulses Frequency<br>(Hz) | Tachometer Pulse<br>Width (50% Duty)<br>mS | Min Sampling<br>Frequency (MSF)<br>Hz |
|-----------------------------------|---------------------------------------|--|--|---------------------------------------|
| 6% (16)                           | No rotation                           | -                                      |  | -                                     |
| 9% (24)                           | 10                                    | 20                                     | 25   | 40                                    |
| 12% (32)                          | 18                                    | 36                                     | 14   | 72                                    |
| 19% (48)                          | 28                                    | 56                                     | 9  | 112                                   |
| 25% (64)                          | 37                                    | 74                                     | 7  | 148                                   |
| 37% (96)                          | 50                                    | 100                                    | 5  | 200                                   |
| 50% (128)                         | 60                                    | 120                                    | 4  | 240                                   |
| 75% (192)                         | 74                                    | 148                                    | 3.4  | 296                                   |
| 100% (255)                        | 86                                    | 172                                    | 2.9  | 344                                   |

Fig. 2



*Fig. 3*